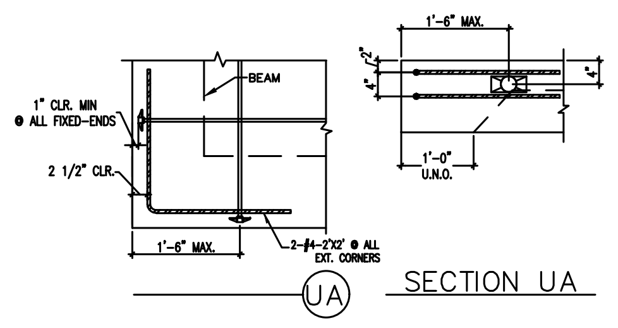
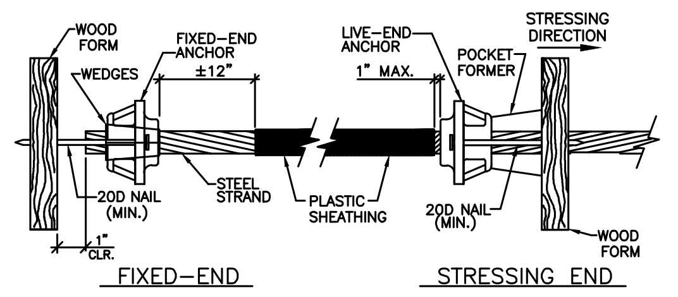
FILENAME: PICKLEBALL   PLOT SCALE: 1/4" : 1' 0"   PLOT DATE: 12.31.20

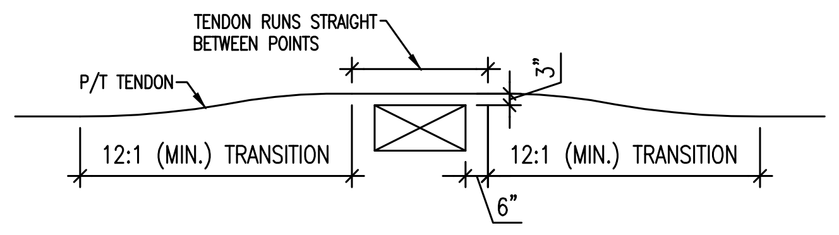
ANCHORAGE CONFIGURATION @ FORM BOARDS



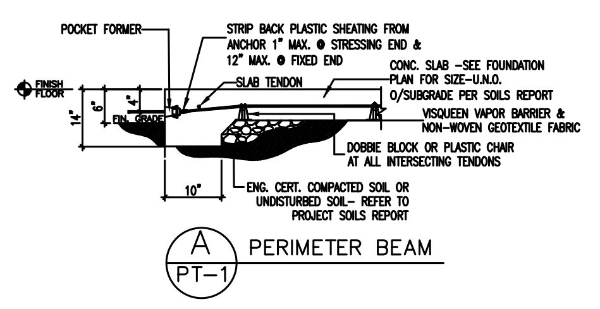
SECTION UA



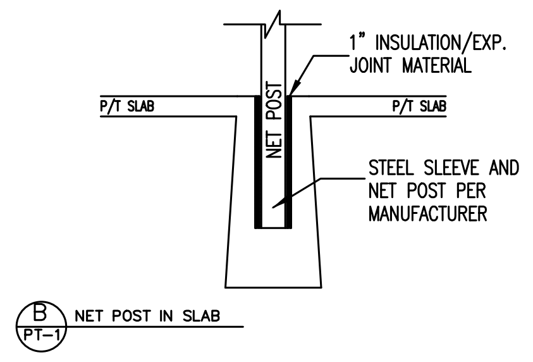
FIXED-END   STRESSING END



NOTE: BLOCK-OUT LOCATED BY OTHERS. VERIFY MINIMUM TENDON CLEARANCE AND DEFLECTIONS USING THE FOLLOWING DETAIL.


POCKET FORMER
STRIP BACK PLASTIC SHEATING FROM ANCHOR 1" MAX. @ STRESSING END & 12" MAX. @ FIXED END
SLAB TENDON
CONC. SLAB -SEE FOUNDATION PLAN FOR SIZE-U.N.O.
O/SUBGRADE PER SOILS REPORT
VISQUEEN VAPOR BARRIER & NON-WOVEN GEOTEXTILE FABRIC
FINISH FLOOR
FIN. GRADE
14"
6"
4"
DOBBIE BLOCK OR PLASTIC CHAIR AT ALL INTERSECTING TENDONS
10"
ENG. CERT. COMPACTED SOIL OR UNDISTURBED SOIL- REFER TO PROJECT SOILS REPORT

A / PT-1 PERIMETER BEAM


1" INSULATION/EXP. JOINT MATERIAL
P/T SLAB
NET POST
P/T SLAB
STEEL SLEEVE AND NET POST PER MANUFACTURER

B / PT-1 NET POST IN SLAB

MATERIALS

1. Prestressing steel shall be 1/2" dia., grade 270ksi seven wire strand, manufactured in accordance with A.S.T.M. A416. The system is to be unbonded and suitable for use in a non-corrosive environment. Strands are to be coated with a corrosion inhibiting compound designed to protect the steel and to reduce friction and covered in a 40 mil. seamless high density extruded plastic sheathing.
2. Materials shall meet the requirements of P.T.I. Specifications for Unbonded Single Strand Tendons unless otherwise noted herein.
3. Strands shall not be stressed to final required force until the concrete strength has reached a compressive strength of F'c (2000 psi minimum).

CONSTRUCTION

1. Concrete must be well consolidated, especially around all anchors, to avoid bearing failures at stressing.
2. Admixtures shall not contain any chemicals that may have harmful effect on the prestressing steel or cement. Additives containing chlorides, sulphites and nitrates shall not be used.
3. Anchorages are to be properly protected in accordance with current PTI recommendations.
4. Stressing pockets are to be cleaned of all loose materials and filled with a sand, cement and water grout. Brick mortar is not acceptable. The operation is to completed upon approval of the elongation report by the E.O.R.
5. Refer to the Architectural/Structural drawings for building dimensions, footing size and additional reinforcement.
6. Care shall be used during placement of concrete so that positioning of tendons and supports is maintained.

INSTALLATION

1. All anchors are to be installed at 6" from top of the slab and a minimum of 6" away from all corners.
2. Anchors with pocket formers must be securely fastened to form boards to prevent cement paste from entering into wedge canal. (2-20D nails are required).
Fixed anchors shall be attached to maintain a minimum of 1" clearance from form board.
3. Strands must be chaired and tied at all intersections starting at fixed end anchors working toward live end to remove slack and eliminate displacement during concrete placement (max chair spacing is 4'-0").
4. Tendon locations not dimensioned on plans shall be placed at approximately equal spaces between dimensioned control points.
5. Tendons shall not be placed with 6" of a parallel edge.
6. Dead ends and stressing ends shall not be changed in the field without prior written approval from engineer.

STRESSING

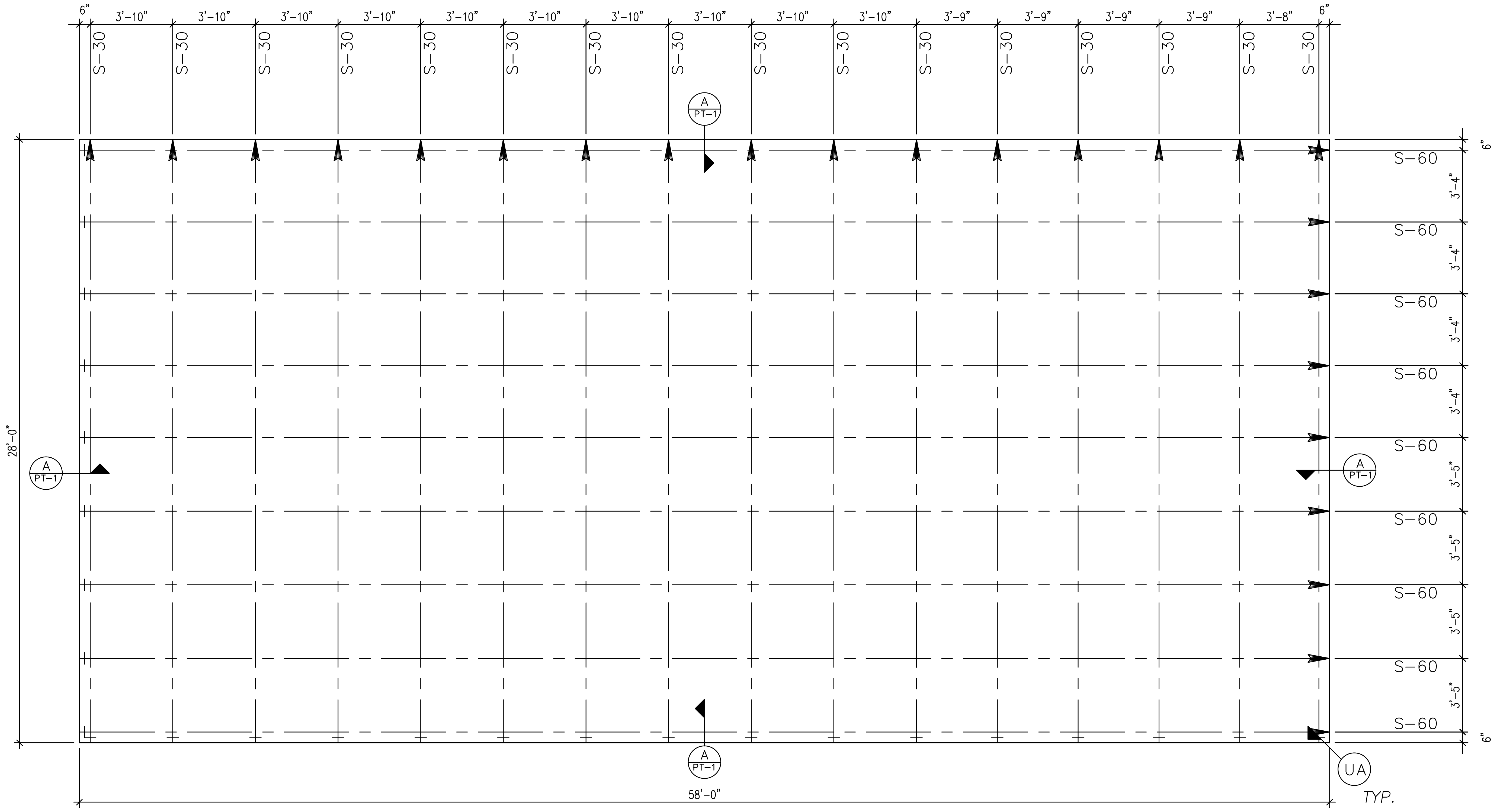
- Tendons less than 125 ft. in length shall be fully stressed within 3 to 4 days after concrete placement and achieving a compressive strength of 2,000 p.s.i.
- Tendons greater than 125 ft. in length shall be partially stressed at 50% of the full stress force within 24 to 36 hours of concrete placement.
Full stressing of these tendons shall occur within 3 to 4 days after concrete had reached a compressive strength of 2,000 p.s.i.
- Initial jacking to 33 KIPS (F'c = 2,000 P.S.I. MIN.).

NOTE

1. POST-TENSIONED SLAB IS 5" THICK.
2. TENDONS SHOULD BE DEFLECTED A MIN. OF 3" FROM ALL POST SLEEVES.
3. TENDONS MAY BE MOVED UP TO 12" HORIZONTALLY TO AVOID SLEEVES, BLOCK OUTS, ECT.

LEGEND

——► -INDICATES STRESS END
——+ -INDICATES DEAD END



STRAND LIST

28'-0" X 58'-0" X 5"

1624 S.F.

QTY	LIVE: S/SS	LENGTH	TOTAL LENGTH	ELONG.
9	S	60	540	0'-4 3/8"
16	S	30	480	0'-1 7/8"
25		TOTAL:	1020	L.F. STRAND

1 FOUNDATION PLAN

SLAB THICKNESS: 5"   SCALE: 1/4" = 1'-0"
SQ FT: 1624 S.F.   LINEAR FT: 1020 L.F

NOTE: ALL CHAIRS SHALL SUPPORT TENDONS @ MID-DEPTH OF SLAB. TIE AND SUPPORT TENDONS AT EVERY INTERSECTION. (CHAIR SPACING NOT TO EXCEED 48"). STRESS STARTING IN THE S/W CORNER OF EACH BLDG. AND CONTINUE IN A CLOCKWISE MANNER. SWEEP TENDONS WITH A 5'-0" MIN. RADIUS AS NEEDED TO AVOID PLUMBING BLOCKOUTS. SEE STRUCTURAL DWGS. FOR REBAR PLACEMENT AND CONFIRM SLAB THICKNESS WITH STRUCTURAL DRAWINGS.

REFERENCE STRUCTURAL DRAWINGS FOR SECTIONS SHOWN ABOVE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATION AND ACCURACY OF THE SECTION CUTS.

REFER TO ARCHITECTURAL DRAWINGS FOR FORM PLACEMENT. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY DEPRESSIONS IN THE SLAB. CONTRACTOR IS TO VERIFY ALL DIMS PRIOR TO POURING. IF ANY DIM DISCREPANCIES EXIST, THE ARCHITECTURAL PLANS SHALL CONTROL. VERIFY ANCHOR BOLT AND HOLDOWN LOCATIONS W/ STRUCTURAL PLANS.

SUBMITTALS

NO.	DATE	FOR	BY
			MS

POST-TENSIONING INSTITUTE CERTIFIED PLANT

DWG INFO	BY	DATE
DRAWN	MS	12.31.20
CHECKED		
DESIGNED		
APPROVED		

These post-tension installation drawings are prepared to be in conformance with the project plans and specifications as indicated on the Licensed Design Professional's drawings. The drawings are intended to relate information contained in the contract documents regarding force and tendon profile of the prestressing system and to show certain details of the SUNCOAST Post-Tensioning System. No warranty, expressed or implied, as to the adequacy of the structural design is to be made by virtue of this submittal.

PROJECT:
LOCATION:
CONTRACTOR:
INFORMATION THIS SHEET:

POST-TENSION PLACEMENT
28'-0" X 58'-0" PICKLEBALL COURT

SHT. NO. PT-1
JOB NO.

COPYRIGHT © 2016 SUNCOAST POST-TENSION LTD. ALL RIGHTS RESERVED